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DEVICE FOR MOUNTING A CONNECTOR CONTACT INSERT IN A CONNECTOR HOUSING

CLAIMS

1. A device for mounting and contacting a connector contact insert (6) with at least one sheet metal flange (7) in an electrically conductive connector housing that is composed of two rectangular interconnectable shells (2), characterized in that two elements (10, 14) respectively are integrally formed onto the inner corner regions of the shells (2) such that the sheet metal flanges (7) can be inserted between said elements, and in that electrically conductive spring elements for acting upon the sheet metal flanges are arranged in the corner regions and connected to the shells, wherein the connector contact insert (6) is fixed in position after the shells are interconnected.

2. The device according to Claim 1, characterized in that the spring element is realized in the form of a bent sheet metal part (20) and contains spring arms (24, 26) that are cut out on three sides and provided with curved spring ends (28) that point to the corner region, and in that the sheet metal part (20) contains recesses (23) that make it possible to push the sheet metal part onto the integral elements (10, 14).

3. The device according to Claim 1, characterized in that the spring element is realized in the form of an angled sheet metal part (30), wherein one respective spring arm (34, 36) with a curved spring end (38) is cut out of the lateral limb ends of the sheet metal part in the inserting direction of the sheet metal flanges (7) of the connector con-

tact insert, and in that the sheet metal part (30) contains a recess (33) that makes it possible to push the sheet metal part onto the integral elements (10', 14') in the corner regions of the shell.

4. The device according to Claim 1, characterized in that the spring element is realized in the form of an angled sheet metal part (40), wherein one limb is realized in the form of a mounting section (42) and the other limb is realized in the form of a spring arm (44) with a curved spring end (48), and in that the mounting section (42) of the sheet metal part (40) is mounted on the shell underneath the integral element (10), wherein the curved spring end (48) of the spring arm points in the direction of the integral element (10) that protrudes from the housing wall.

5. The device according to Claim 1, characterized in that the spring element is realized in the form of a flat sheet metal part (50) and contains a mounting section (52) and a spring arm (54) with a curved spring end (58), and in that the mounting section (52) of the sheet metal part is fixed on the wall of the shell, wherein the spring arm (54) is positioned between the integral elements (10, 14).

6. The device according to Claim 1, characterized in that the spring element is realized in the form of a flat sheet metal part (60) and contains a mounting section (62) and two spring arms (64, 66) with curved spring ends (68), and in that the sheet metal part is mounted in a recess (5) in the corner region of the interior of the shell (2).